



# Hand Forged Tools

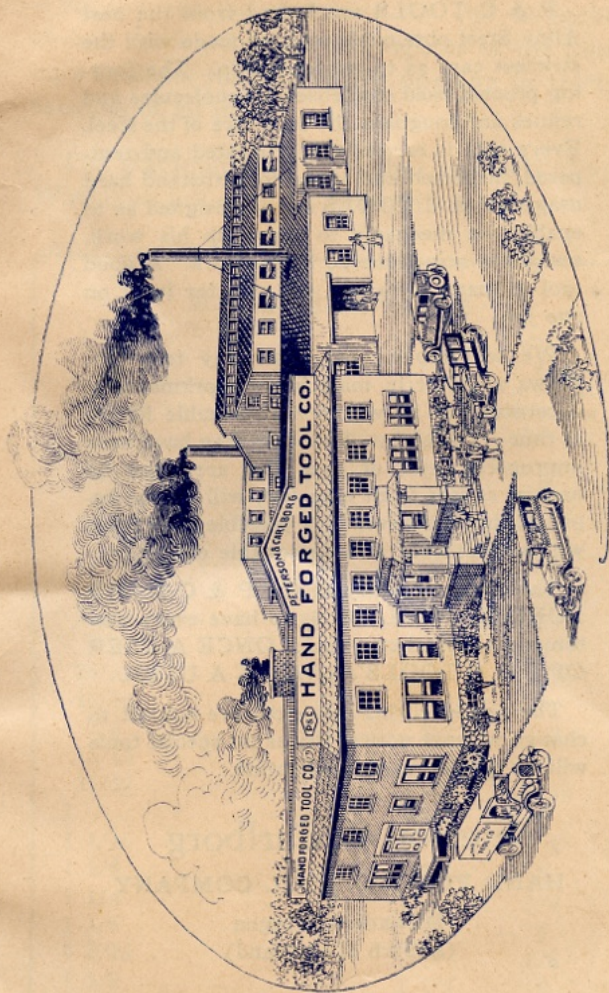
C. R. HOOD CO.  
Formerly P. & C. Tool Co.  
208 E. 16th ST.  
KANSAS CITY, MO.

**PETERSON and CARLBORG  
HAND FORGED TOOL CO. Inc.**

**Milwaukie, Oregon  
Suburb of Portland**







From a two man shop in 1922 to the present plant shown above

**T**HE TOOLS shown on the following pages are the result of several years of study and practice in making **HIGH GRADE HAND FORGED MECHANICS TOOLS.**

**P & C TOOLS** are forged from the best Alloy Steel obtainable and are made with the strictest care as to workmanship. The forging process used condenses the molecules and refines and toughens the structure of the steel. Every tool is carefully heat treated and tempered, inspected and tested to withstand hard usage. **P & C TOOLS** are so designed as to enable the mechanic to speed up his work, and at the same time do better work. A good tool in many instances will pay for itself on one job.

We will replace or repair any tool that shows a defect in material or workmanship, if returned to us within a reasonable length of time. Tools that show that they have been improperly used, or ones that are worn by natural causes from long use, will not be replaced, but wherever it is possible such tools will be redressed at a reasonable charge.

The aim and policy of the **P & C HAND FORGED TOOL CO.** is to have every customer a satisfied customer. **ONCE A USER OF P & C TOOLS ALWAYS A USER.**

The prices in this catalogue are subject to change without notice. Prices on special tools will be quoted upon application.

## **Peterson & Carlborg**

### **HAND FORGED TOOL COMPANY**

Milwaukie, Oregon  
(Suburb of Portland)

For Sale by

**C. R. HOOD CO.**

Formerly P. & C. Tool Co.  
208 E. 16th ST.  
KANSAS CITY, MO.

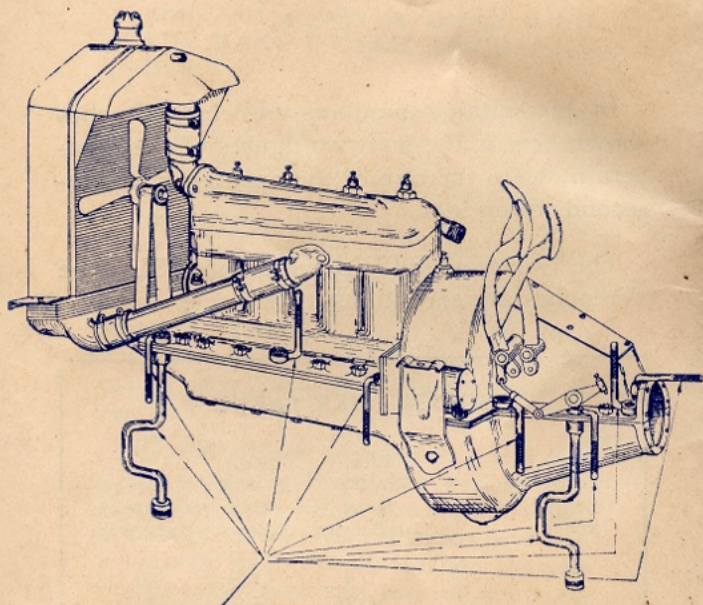


In the catalog numbers for the wrenches shown herein, the last two figures of the numbers indicate the size of the opening in thirty-seconds of an inch.

The Hammerhead Wrenches and 8x8L Type Wrenches are exceptions to this rule.

### SOCKET SIZE TABLE

Socket Opening Inches	Fits S. A. E. Nuts Cap Screws	Fits U. S. S. Cap Screws	Fits
			U. S. S. Nuts and Bolt Heads (Unfinish.)
7/16 .....	1/4	1/4	0
1/2 .....	5/16	5/16	1/4
9/16 .....	3/8	3/8	0
19/32 .....	0	0	5/16
5/8 .....	7/16	7/16	0
11/16 .....	0	0	3/8
3/4 .....	1/2	1/2	0
25/32 .....	0	0	7/16
13/16 .....	0	9/16	0
7/8 .....	9/16	5/8	1/2
15/16 .....	5/8	0	0
31/32 .....	0	0	9/16
1 .....	11/16	3/4	0
1 1/16 .....	3/4	0	5/8
1 1/8 .....	0	7/8	0
1 1/4 .....	7/8	1	3/4
1 3/8 .....	0	1 1/8	0
1 7/16 .....	1	0	7/8
1 1/2 .....	0	1 1/4	0
1 5/8 .....	1 1/8	0	1



## "ONE MAN" OFFSET BOX SOCKET WRENCH



Hand forged from one piece of **Chrome Vanadium Steel**.

Very thin wall box socket wrench. Can be used in very close places.

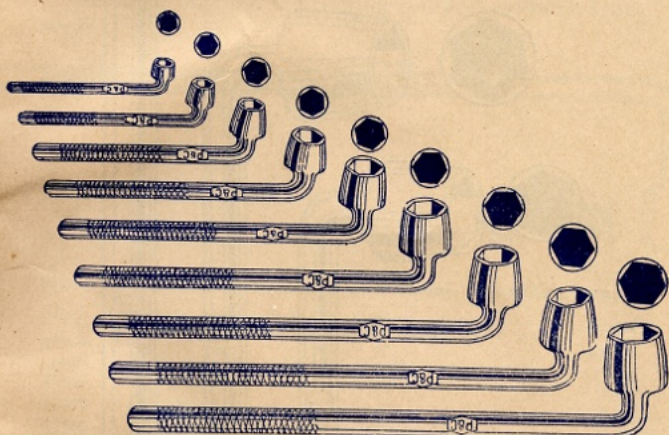
No.	Opening	Price
818	9/16	\$1.00

## ONE MAN WRENCH

The illustration above shows the principal use for the One Man Wrench, in taking off the Crank Case of a Ford Car.



## SHORT BEND OFFSET SOCKET WRENCHES



Hand forged from one piece of Chrome Vanadium Steel.

No.	Opening	Bolt Size	Price
1510	5/16		\$ .75
1512	3/8		.75
1514	7/16	1/4 S. A. E.	.85
1516	1/2	5/16 S. A. E.	.95
1518	9/16	3/8 S. A. E.	1.05
1519	19/32	5/16 U. S. Nut	1.05
1520	5/8	7/16 S. A. E.	1.10
1522	11/16	3/8 U. S. Nut	1.20
1524	3/4	1/2 S. A. E.	1.35
1525	25/32	7/16 U. S. Nut	1.45
1526	13/16	9/16 U. S. Cap Screw	1.65
1528	7/8	9/16 S. A. E.	1.85
1530	15/16	5/8 S. A. E.	2.05
1532	1	11/16 S. A. E.	2.20
1534	1 1/16	3/4 S. A. E.	2.55

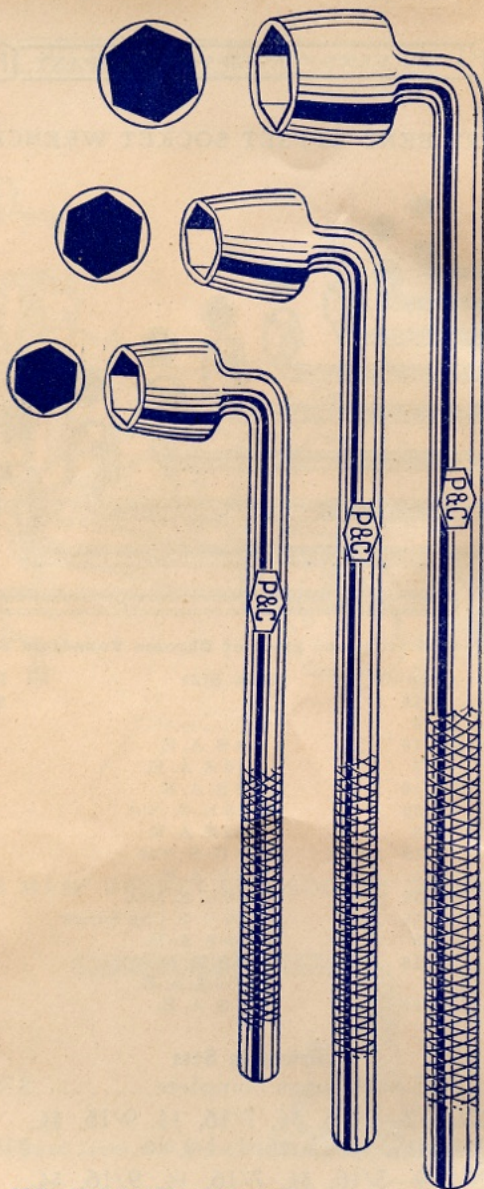
## Prices in Sets

Set No. 15—All sizes complete.....\$20.80

Set No. 12—5/16, 3/8, 7/16, 1/2, 9/16, 5/8,  
11/16, 3/4, 7/8, 15/16, 1, 1 1/16.....\$16.65Set No. 9—5/16, 3/8, 7/16, 1/2, 9/16, 5/8,  
11/16, 3/4, 7/8.....\$ 9 85

Set No. 6—7/16, 1/2, 9/16, 5/8, 11/16, 3/4..\$ 6 50

The walls of the sockets are made thin which makes it possible to use this wrench on nuts that cannot be reached with other wrenches. This together with the fact that every wrench is hardened and tempered by a special heat treating and tempering process is the basis of our slogan: "Thinner and Stronger."



### HEAVY DUTY OFFSET WRENCHES

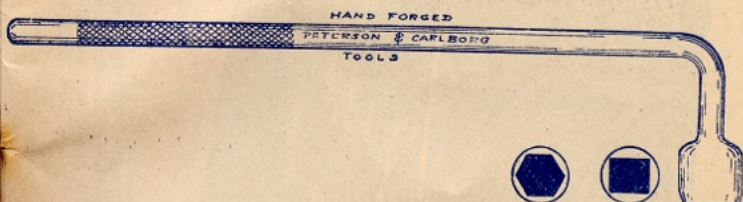
No.	Opening	Price
1536	1 1/8	\$3.50
1540	1 1/4	4.50
1542	1 5/16	4.75
1544	1 3/8	5.25
1546	1 7/16	\$5.75
1548	1 1/2	6.50
1552	1 5/8	7.25

These wrenches, large as they are, are each hand-forged from one piece of Chrome-Vanadium Steel. They are designed primarily for use for Rear Axle Nuts of Automobiles, and heavy work on Tractors, and other heavy machines. The walls of the sockets are thin in proportion as the smaller wrenches, and they are offset so that nuts which are inset to the level of the face of the part can be easily reached.



## LONG BEND OFFSET SOCKET WRENCH

For main bearing, connecting rod and cylinder head work.



Hand forged from one piece of Chrome Vanadium Steel.

No.	Opening	Offset	Price
1716	1/2	3"	\$1.30
1718	9/16	3"	1.40
1720	5/8	3"	1.50
1722	11/16	3"	1.60
1724	3/4	3"	1.80
1725	25/32	3"	2.00
1726	13/16	3"	2.20
1728	7/8	3"	2.40
1730	15/16	3"	2.60
1700—Set Complete			\$16.00

## 1700 SERIES, LONG BEND, OFFSET WRENCHES

For main bearing, cylinder head and connecting rod work.

This set of wrenches is the same in material and shape as the Short Bend No. 1500 series, but heavier. The bend of the handle is longer, giving them greater clearance above the nut or face of the part where the nut is located.

The illustration above shows the set with hexagon openings, and the price list given below is for the same wrenches with square opening in the socket.

## SQUARE OPENING LONG BEND OFFSET WRENCHES

No.		Price
1708S	1/4 Square Opening, offset 2".....	\$1.30
1710S	5/16 Square Opening, offset 2".....	1.40
1712S	3/8 Square Opening, offset 2".....	1.50
1714S	7/16 Square Opening, offset 2".....	1.60
1716S	1/2 Square Opening, offset 2".....	1.70
1718S	9/16 Square Opening, offset 2".....	1.80
1720S	5/8 Square Opening, offset 2".....	2.00



In the socket set illustrated above the "L" handle, the "T" handle, the extensions, the universal joint and the sockets are all hand-forged from Chrome-Vanadium steel. The speed handle is of cold-rolled steel with the joint end case-hardened. The openings in the sockets for the handles are  $\frac{1}{2}$ " square and the joint end of all handles is  $\frac{1}{2}$ " square.

#### P. & C. SOCKET SETS WITHOUT RATCHETS

No.	Price with box, \$17.00
<b>6109</b>	<b>Price without box, \$16.00</b>
One No. 6001	10" Shank Speed Handle
One No. 6002	5" Shank Speed Handle
One No. 6003	10" L or offset Handle
One No. 6004	10" Extension
One No. 6005	5" Extension
One No. 6006	"T" Handle for Extension
One No. 6008	Universal Joint
One No. 6014	7/16" Opening Hex Sockets
One No. 6016	1/2" Opening Hex Sockets
One No. 6018	9/16" Opening Hex Sockets
One No. 6020	5/8" Opening Hex Socket
One No. 6022	11/16" Opening Hex Socket
One No. 6024	3/4" Opening Hex Sockets
One No. 6028	7/8" Opening Hex Sockets
One No. 6030	15/16" Opening Hex Sockets

The P. & C. Socket Set has handle ends  $1\frac{1}{2}$ " square and sockets have  $1\frac{1}{2}$ " square holes for the handles.

#### P. & C. SOCKET SETS WITH RATCHETS

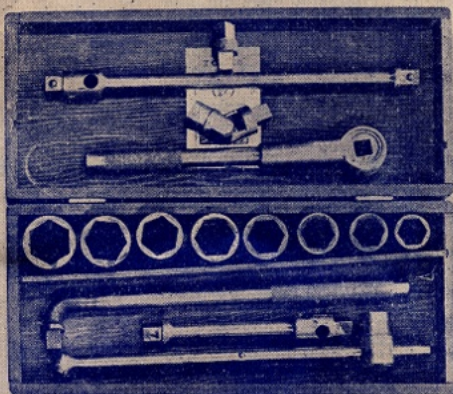
No.	Price with box, \$21.00
<b>6119</b>	<b>Price without box, \$20.00</b>
One No. 6001	10" Shank Speed Handle
One No. 6002	5" Shank Speed Handle
One No. 6003	10" L or Offset Handle
One No. 6004	10" Extension
One No. 6005	5" Extension
One No. 6006	"T" Handle for Extension
One No. 6007	Ratchet Connection
One No. 6008	Universal Joint

- One No. 6010 Reversible Ratchet  
 One No. 6014 7/16" Opening Hex Sockets  
 One No. 6016 1/2" Opening Hex Sockets  
 One No. 6018 9/16" Open Hex Socket  
 One No. 6020 5/8" Opening Hex Socket  
 One No. 6022 11/16" Opening Hex Socket  
 One No. 6024 3/4" Opening Hex Socket  
 One No. 6028 7/8" Opening Hex Socket  
 One No. 6030 15/16" Opening Hex Socket

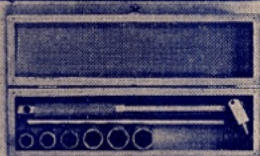
**EXTRA PIECES FOR P. & C. SOCKET SETS  
THESE CAN BE BOUGHT SEPARATELY**

6001	10" Shank Speed Handle.....	\$1.60
6002	5" Shank Speed Handle.....	1.50
6003	10" L or Offset Handle.....	1.25
6004	10" Extension .....	1.25
6005	5" Extension .....	1.15
6006	T Handle for Extension.....	1.00
6007	Connection for Ratchet.....	.80
6008	Universal Joint .....	2.80
6009	10" Shank T Handle.....	2.00
6010	Reversible Ratchet .....	4.00
6011	Screw Driver Bit.....	1.75
6012	12" Shank 1/2" square both ends, holes both ends with bar.....	2.50
6013	Ford Fly Wheel Extension, 11/16" Open- ing .....	1.75

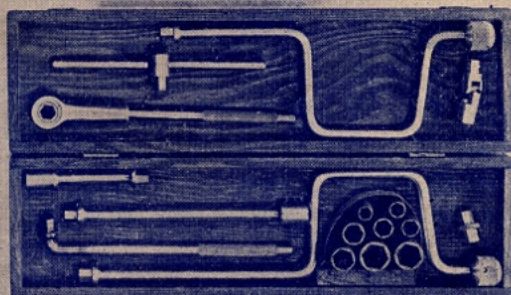
*Peterson and Carlborg  
Hand Forged Tools*



*P and C  
9108  
Truck Set*



*P and C  
Flex Set*



*P and C  
7119  
Socket  
Set*

**HEX-ON SOCKET SETS****SEE CUT OF No. 7119 SET ON PAGE 9**

This Socket Set is exactly the same as the Set illustrated on the previous pages except that the openings in the sockets for the handles are 9/16 hexagon instead of square, which enables us to make a smaller and at the same time a stronger joint.

**HEX-ON SOCKET SET No. 7109, WITHOUT RATCHET**

No.	Set with box, \$17.00
<b>7109</b>	<b>Set without box, \$16.00</b>
One No. 7001	10" Shank Speed Handle
One No. 7002	5" Shank Speed Handle
One No. 7003	10" L or Offset Handle
One No. 7004	10" Extension
One No. 7005	5" Extension
One No. 7006	T Handle for Extension
One No. 7008	Universal Joint
One No. 7014	7/16 Opening Hex Socket
One No. 7016	1/2 Opening Hex Socket
One No. 7018	9/16 Opening Hex Socket
One No. 7020	5/8 Opening Hex Socket
One No. 7022	11/16 Opening Hex Socket
One No. 7024	3/4 Opening Hex Socket
One No. 7028	7/8 Opening Hex Socket
One No. 7030	15/16 Opening Hex Socket

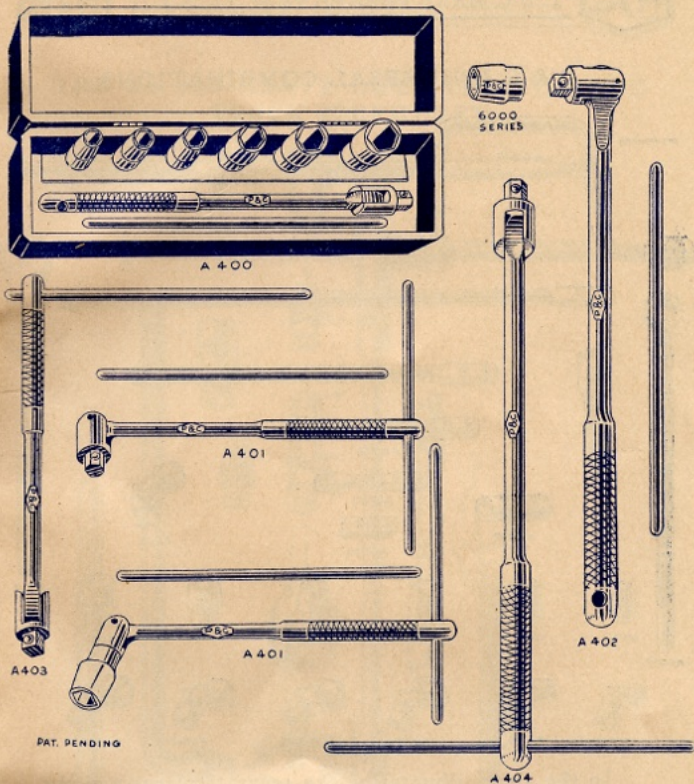
**HEX-ON SOCKET SET No. 7119 WITH RATCHET**

No.	Set with box, \$21.00
<b>7119</b>	<b>Set without box, \$20.00</b>
One No. 7001	10" Shank Speed Handle
One No. 7002	5" Shank Speed Handle
One No. 7003	10" L or Offset Handle
One No. 7004	10" Extension
One No. 7005	5" Extension
One No. 7006	T Handle for Extension
One No. 7007	Short Connection to use with Ratchet
One No. 7008	Universal Joint
One No. 7010	Reversible Ratchet
One No. 7014	7/16 Open Hex Socket
One No. 7016	1/2" Opening Hex Socket
One No. 7018	9/16 Opening Hex Socket
One No. 7020	5/8 Opening Hex Socket
One No. 7022	11/16 Opening Hex Socket
One No. 7024	3/4 Opening Hex Socket
One No. 7028	7/8 Opening Hex Socket
One No. 7030	15/16 Opening Hex Socket

**EXTRA PIECES FOR HEX-ON SET.**  
**THESE CAN BE BOUGHT SEPARATELY**

No.	Price Each
7001	10" Shank Speed Handle.....\$1.60
7002	5" Shank Speed Handle.....1.50
7003	10" L or Offset Handle.....1.25
7004	10" Extension.....1.25
7005	5" Extension.....1.15
7006	T Handle for Extension.....1.00
7007	Connection for Ratchet......80
7008	Universal Joint.....2.80
7009	10" Shank T Handle.....2.00
7010	Reversible Ratchet.....4.00
7011	Screw Driver Bit.....1.75
7013	Ford Fly Wheel Extension, 11/16" Opening.....1.75

# P & C FLEX SET AND HANDLES



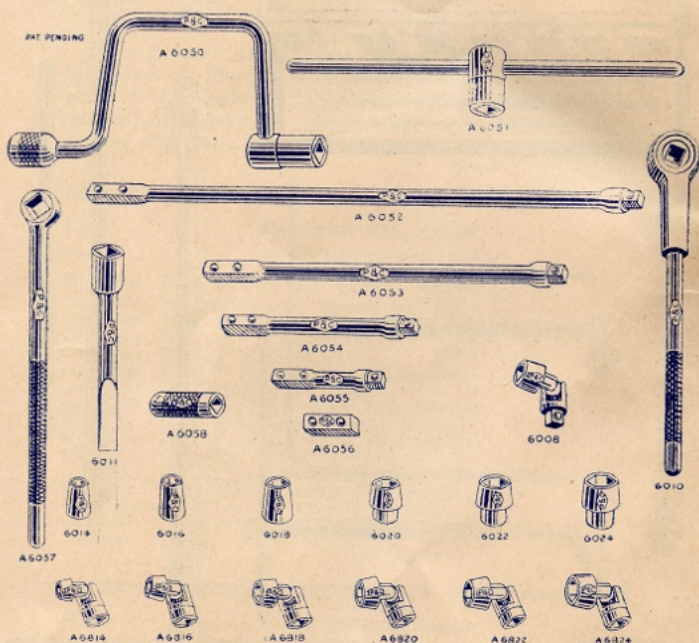
The P & C Flex Set and Flex Handles illustrated above are very useful for all kinds of work. The service end is flexible. The handle can be used in any angle, a ball snap in the hinged joint holds it in any position. The Flex Handle can be used as an "L" or offset handle to loosen the nut and, without removing the wrench, the handle is tipped up to use as a "T" wrench to speed nuts off. Reverse order for replacing nuts. These handles are very strong and will stand hard usage. They are great time savers. In many cases the price of the set or handle can be saved on one or two overhaul jobs.

No.		Price
<b>A400</b>	Flex Set without box.....	<b>\$6.75</b>
<b>A400</b>	Flex Set with box.....	<b>7.50</b>
<b>A401</b>	Flex Handle-Hexagon Service end.....	<b>3.75</b>
<b>2214</b>	7/16 Socket .....	<b>.60</b>
<b>2216</b>	1/2 Socket .....	<b>.60</b>
<b>2218</b>	9/16 Socket .....	<b>.60</b>
<b>2220</b>	5/8 Socket .....	<b>.60</b>
<b>2222</b>	11/16 Socket .....	<b>.60</b>
<b>2224</b>	3/4 Socket .....	<b>.70</b>
<b>A403</b>	Flex Handle, 1/2" Square End.....	<b>3.75</b>
<b>A402</b>	Flex Handle, large, 1/2" Square.....	<b>4.50</b>
<b>A404</b>	Flex Handle, large, 9/16" Hex.....	<b>4.50</b>

The No. A400 Flex Set with 6 sockets as listed above is the only set furnished in this type. The handles may be bought separately. The Hexagon handles work with our 7000 Series Sockets and the Square handles with our 6000 Series Sockets, or any sockets having 1/2" square connections.



## P &amp; C UNIVERSAL COMBINATIONS



In the above illustration the separate pieces making up the P & C Universal Combinations are shown. The service ends are 1/2" square and will fit any 1/2" square handles or sockets on the market. The Universal Sockets are thin and short, enabling you to get in close places. Extensions are made in four lengths and the upper end is a long connection with two ball snaps to hold firmly in speed or "T" handle. Perfect fit—no wobble.

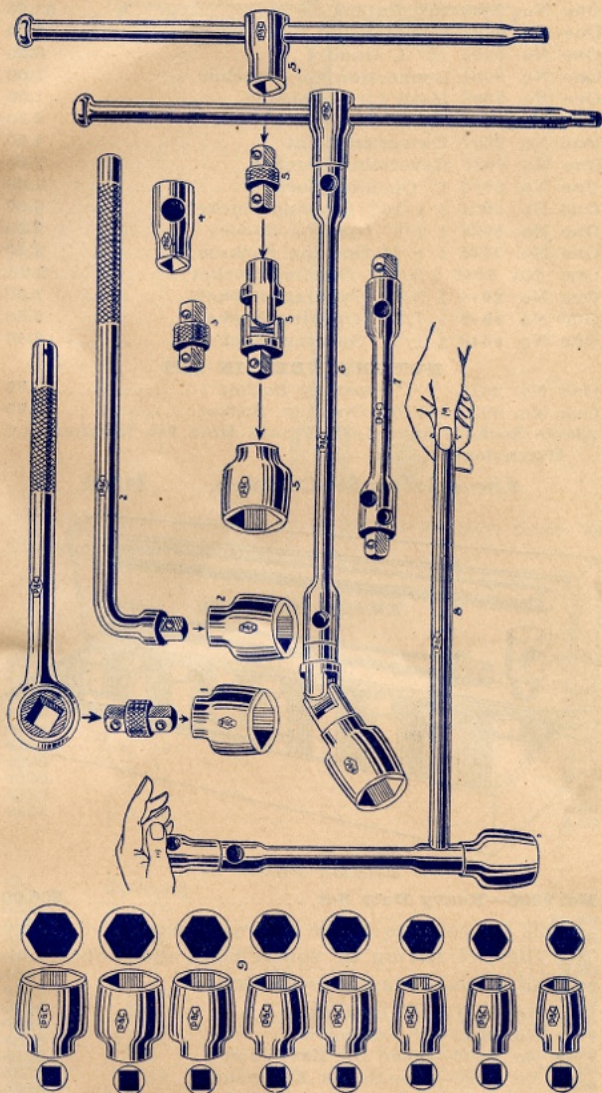
No.		Price
6008	Universal Joint .....	\$2.80
6010	Ratchet .....	4.00
6011	Screw Driver Bit.....	1.75
A6050	Speed Handle .....	1.80
A6051	T Handle for extensions.....	1.00
A6052	18" Extension .....	1.70
A6053	12" Extension .....	1.50
A6054	6" Extension .....	1.30
A6055	3" Extension .....	.90
A6056	Plug for Ratchet or Box Handle	.40
A6057	Box Handle .....	1.75
A6058	Joint to connect extensions....	.70
A6812	Universal Socket 3/8 Socket..	1.75
A6814	Universal Socket 7/16 Socket..	1.75
A6816	Universal Socket 1/2 Socket..	1.75
A6818	Universal Socket 9/16 Socket..	1.75
A6819	Universal Socket 19/32 Socket..	1.75
A6820	Universal Socket 5/8 Socket..	1.75
A6822	Universal Socket 11/16 Socket..	1.75
A6824	Universal Socket 3/4 Socket..	1.75
A6826	Universal Socket 13/16 Socket	2.00
A6828	Universal Socket 7/8 Socket..	2.00
A6830	Universal Socket 15/16 Socket..	2.00
A6832	Universal Socket 1" Socket...	2.00



P. & C. HAND FORGED TOOL COMPANY



## THE No. 9108 HEAVY DUTY TRACTOR AND TRUCK SOCKET SET



Hand forged from one piece of Chrome Vanadium Steel.

The Heavy Duty Set, illustrated above, is far superior to any set on the market. There are eight sockets, and the handles and extensions as shown above, and out of these can be made EIGHTY-EIGHT SEPARATE PRACTICAL WRENCHES. You must see the set to appreciate how good it is.

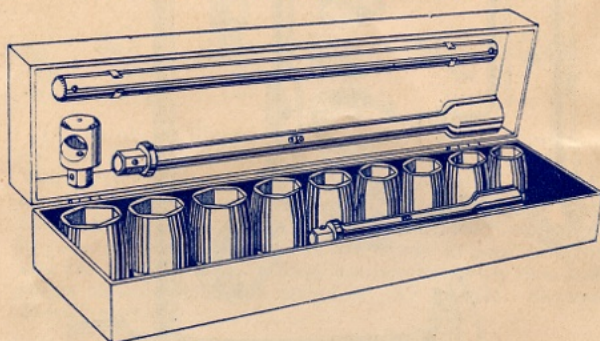
**HEAVY DUTY TRACTOR AND TRUCK SOCKET SET**  
No.

9108	Each
One No. 9001 15" Extension .....	\$3.50
One No. 9002 8" Extension .....	3.00
One No. 9003 15" L Handle .....	3.00
One No. 9004 Connection for Ratchet.....	1.00
One No. 9005 Head for Extension.....	1.50
One No. 9006 Handle for Extension.....	2.00
One No. 9007 Universal Joint .....	4.50
One No. 9008 Reversible Ratchet .....	7.00
One No. 9032 1" Opening Sockets.....	1.80
One No. 9034 1 1/16" Opening Sockets.....	2.00
One No. 9036 1 1/8" Opening Socket.....	2.20
One No. 9040 1 1/4" Opening Sockets.....	2.40
One No. 9042 1 5/16" Opening Socket.....	2.80
One No. 9044 1 3/8" Opening Sockets.....	3.00
One No. 9046 1 7/16" Opening Sockets.....	3.20
One No. 9048 1 1/2" Opening Sockets.....	3.40

**NOT INCLUDED IN SET**

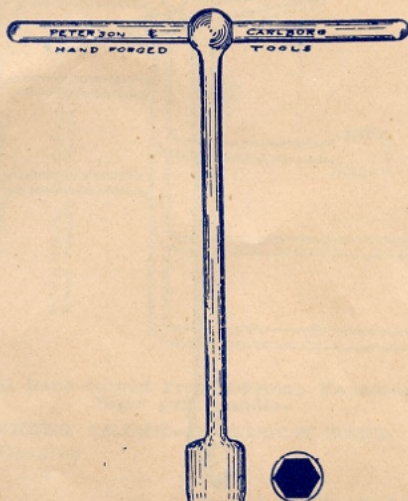
One No. 9028 7/8" Opening Socket .....	1.80
One No. 9030 15/16" Opening Socket.....	1.80
Above Sockets have 5/8" Square Hole for Handles and Extensions	

Above Socket Set Complete,      \$40.00

**No. 9200—Heavy Duty Set.....\$26.00**

This set consists of the following pieces out of the No. 9108 Set, having 5/8" square holes and connections, instead of the hexagon as illustrated.

One No. 9001—15" Extension
One No. 9002—8" Extension
One No. 9005—Head for Extension
One No. 9006—Handle for Extension
One No. 9028—7/8" Opening Socket
One No. 9030—15/16" Opening Socket
One No. 9032—1" Opening Socket
One No. 9034—1 1/16" Opening Socket
One No. 9036—1 1/8" Opening Socket
One No. 9040—1 1/4" Opening Socket
One No. 9044—1 3/8" Opening Socket
One No. 9046—1 7/16" Opening Socket
One No. 9048—1 1/2" Opening Socket

**"T" WRENCH**

Socket and shank hand-forged from one piece of Chrome Vanadium Steel.

**6" SHORT SHANK**

No.	Opening	Price
4214	7/16	\$1.60
4216	1/2	1.70
4218	9/16	1.75
4220	5/8	1.85
4222	11/16	2.00
4224	3/4	2.00
4226	13/16	2.50
4228	7/8	2.50
4230	15/16	2.95
4232	1	3.20
4234	1 1/16	3.50

**12" LONG SHANK**

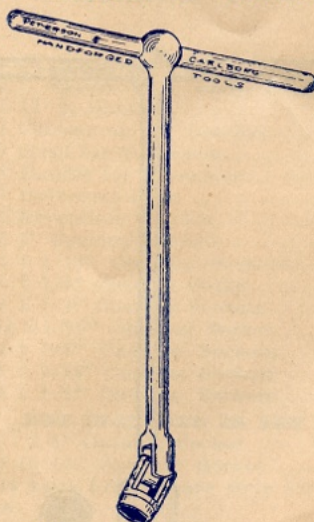
No.	Opening	Price
4514	7/16	\$1.85
4516	1/2	2.00
4518	9/16	2.20
4519	19/32	2.20
4520	5/8	2.50
4522	11/16	2.60
4524	3/4	2.80
4525	25/32	2.80
4526	13/16	2.80
4528	7/8	3.00
4530	15/16	3.20
4532	1	3.50
4534	1 1/16	3.90

**18" EXTRA LONG SHANK**

No.	Opening	Price
4818	9/16	\$2.70
4820	5/8	3.00
4822	11/16	3.10
4824	3/4	3.30



## UNIVERSAL "T" WRENCH



Socket and shank hand-forged from one piece of Chrome Vanadium Steel

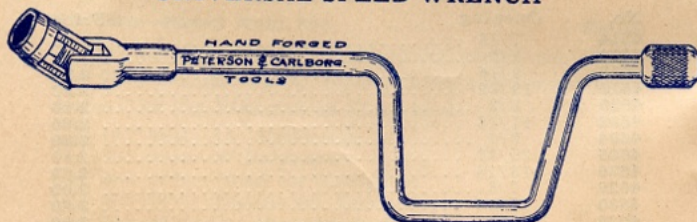
## 12-INCH SHANK

No.	Opening	Price
3512	3/8	\$3.25
3514	7/16	3.25
3516	1/2	3.25
3518	9/16	3.50
3520	5/8	3.50
3522	11/16	3.50
3524	3/4	3.75

## 18" LONG SHANK

3812	3/8	\$3.50
3814	7/16	3.50
3816	1/2	3.50
3818	9/16	3.80
3820	5/8	3.80
3822	11/16	4.00
3824	3/4	4.00

## UNIVERSAL SPEED WRENCH

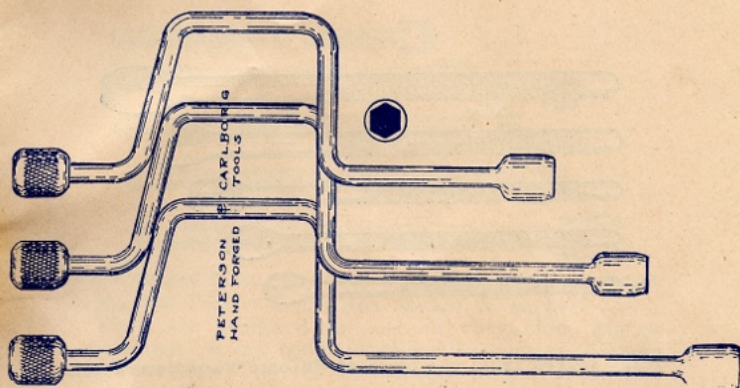


Sockets hand-forged from one piece of Chrome Vanadium Steel

No.	Opening	Price
9516	1/2	\$3.75
9518	9/16	3.75
9520	5/8	3.75
9522	11/16	3.75
9524	3/4	3.75



## SPEED WRENCHES



Sockets all hand-forged from Chrome Vanadium Steel.  
Easy grip handles

**SHORT SHANK—5" BELOW BEND**

No.	Opening	Price
5416	1/2	\$1.30

**SHORT SHANK—8" BELOW BEND**

No.	Opening	Price
5514	7/16	\$1.30
5516	1/2	1.30
5518	9/16	1.30
5519	19/32	1.30
5520	5/8	1.50
5522	11/16	1.50
5524	3/4	\$1.60
5525	25/32	1.60
5526	13/16	1.60
5528	7/8	1.80
5530	15/16	1.80
5532	1	2.00
5534	1 1/16	2.00

**LONG SHANK—10" BELOW BEND**

No.	Opening	Price
6514	7/16	\$1.30
6516	1/2	1.30
6518	9/16	1.30
6519	19/32	1.30
6520	5/8	1.50
6522	11/16	1.50
6524	3/4	1.60
6525	25/32	1.60
6526	13/16	1.60
6528	7/8	1.80
6530	15/16	1.80
6532	1	2.00
6534	1 1/16	2.00

**EXTRA LONG SHANK—16" BELOW BEND**

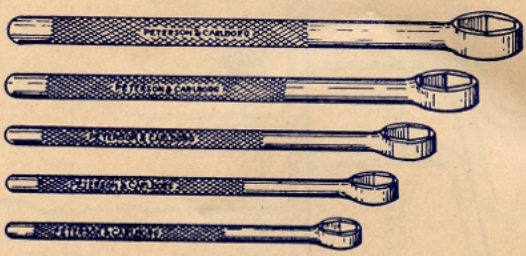
No.	Opening	Price
7516	1/2	\$1.60
7518	9/16	1.60
7520	5/8	1.60
7522	11/16	1.60
7524	3/4	1.80

**EXTRA LONG SHANKS—24" BELOW BEND**

No.	Opening	Price
8516	1/2	\$1.80
8518	9/16	1.80
8520	5/8	1.80



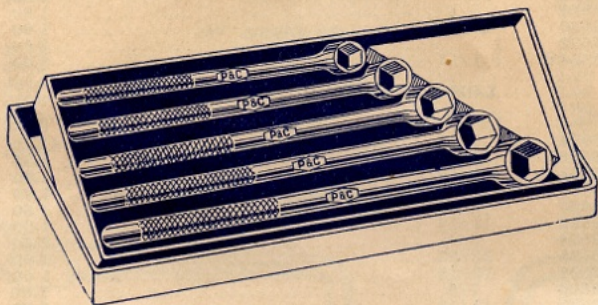
# SHALLOW BOX SOCKET WRENCH



Hand forged from one piece of Chrome Vanadium Steel.

These wrenches have short sockets, very thin walls and can be used in very close places.

No.	Opening	Length	Price
516	1/2	6 .....	\$1.00
518	9/16	7 .....	1.20
520	5/8	8 .....	1.30
522	11/16	9 .....	1.40
524	3/4	10 .....	1.60

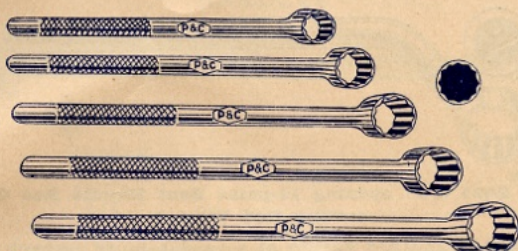


550 SET COMPLETE .....\$6.00





## 12 POINT BOX WRENCHES



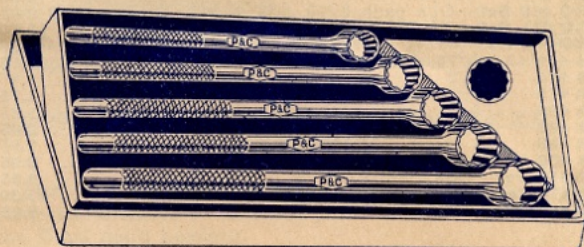
Hand forged from one piece of Chrome Vanadium Steel.

No. 400 Twelve Point Box Socket Wrenches.

They are designed for use in very close places, where there is not room for the full swing of the hexagon wrench. They fit the hexagon nuts of their various sizes, but require only half the room for the swing of the wrench. The sizes are as follows:

No.	Opening	Price
414	7/16	\$1.30
416	1/2	1.40
418	9/16	1.50
420	5/8	1.60
422	11/16	1.80
424	3/4	2.00
428	7/8	2.40
430	15/16	2.80

These twelve point wrenches are put in sets in a neat, strong box.



Hand forged from one piece of Chrome Vanadium Steel.

No. 450 Set—One each 418, 420, 422, 424, 428.....\$ 8.40

No. 451 Set—All sizes..... 13.30

No. 452 Set—One each 414, 416, 418, 420, 424..... 7.00

## TWELVE POINT WRENCH No. RO.-424



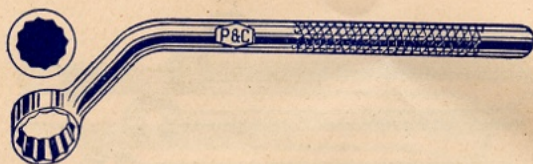
No. R0424 3/4" opening, 12-point offset Reo Connecting Rod Wrench

This wrench has the twelve point socket and the offset handle as illustrated, and is designed especially for the Reo Connecting Rod.

Price, \$2.25



## TWELVE POINT WRENCH No. R-424



No. R424 3/4" opening 12-point Bent Handle Reo Connecting Rod Wrench

This is another design of a twelve-point wrench for the Reo connecting rod. This has a bent handle instead of the offset handle.

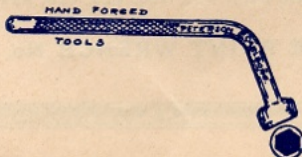
Price, \$2.00

OTHER SIZES OF TWELVE POINT  
WRENCHES WITH BEND LIKE RO 424  
OR R 424

No.	Opening	Price
RO 414	7/16"	\$1.55
RO 416	1/2"	1.65
RO 418	9/16"	1.75
RO 420	5/8"	1.85
RO 422	11/16"	2.05
RO 428	7/8"	2.65
RO 430	15/16"	3.05
RO 450 Set	One each 9/16, 5/8, 11/16, 3/4, 7/8	\$ 9.65
RO 451 Set	All sizes	15.30
RO 452 Set	7/16, 1/2, 9/16, 5/8, 3/4	8.25
R 414	7/16	\$1.55
R 416	1/2	1.65
R 418	9/16	1.75
R 420	5/8	1.85
R 422	11/16	2.05
R 428	7/8	2.65
R 430	15/16	3.05
R 450 Set	One each 9/16, 5/8, 11/16, 3/4, 7/8	\$ 9.65
R 451 Set	All sizes	15.30
R 452 Set	7/16, 1/2, 9/16, 5/8, 3/4	8.25

## No. 816 DODGE GENERATOR WRENCH

For removing cover on Generator Chain Case



Hand forged from one piece of Chrome Vanadium Steel.

This wrench is especially designed for the inspection plate of the Dodge generator chain case; it makes easy a difficult task.

No.	Opening	Price
816	1/2	\$1.20

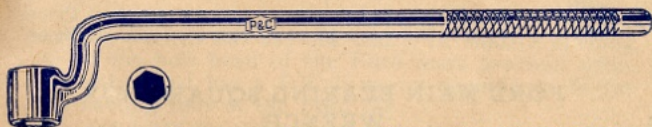


## DEEP BOX SOCKET WRENCHES—STRAIGHT HANDLES



No.	Opening	Price
620	5/8	\$2.00
622	11/16	2.00
624	3/4	2.00

## DEEP BOX SOCKET WRENCHES—OFFSET HANDLES



Hand forged from one piece of Chrome Vanadium Steel.

No.	Price
620-B Box Socket Wrench 5/8" Hex. Opening.....	\$2.25

This wrench is especially adapted to work on the Ford cylinder head and connecting rods.

No.	Price
622-B Box Socket Wrench, 11/16" Hex. Opening.....	\$2.25

Especially designed for use on Oakland and Oldsmobile cylinder head nuts, also Studebaker cylinder head and connecting rods.

No.	Price
624-B Box Socket Wrench, 3/4" Hex. Opening.....	\$2.25

Especially good for the Ford main bearing nut.

## FORD MAIN BEARING SQUARE SOCKET WRENCH

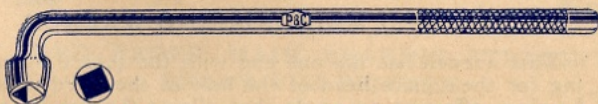
The following four wrenches are all for the same purpose, namely, to fit the square head of the bolt of the Ford main bearing:

The No. 617 is a plain Offset Socket Wrench with 9/16" square opening.

The No. 615 is a plain Box Socket Wrench with 9/16" square opening.

The No. 615B is an Offset Box Socket Wrench with 9/16" square opening. (This wrench is much preferred by many mechanics.)

The "L" Type Wrench No. 444 has one end 3½" long and the other end 11" long.



Hand forged from one piece of Chrome Vanadium Steel.

No.	Price
617 9/16" Square Opening.....	\$1.80



## FORD MAIN BEARING SQUARE BOX WRENCH

Straight Handle



Hand forged from one piece of Chrome Vanadium Steel.

No.		Price
615	9/16" Square Opening.....	\$2.00

### Extension for No. 615

No.	Opening	Length	Price
615C	9/16	9" .....	\$2.00

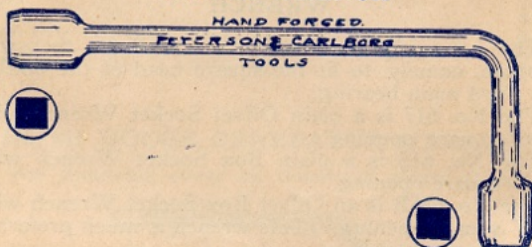
## FORD MAIN BEARING SQUARE BOX WRENCH



Hand forged from one piece of Chrome Vanadium Steel.

No.		Price
615-B	9/16" Square Opening.....	\$2.25

## FORD MAIN BEARING DOUBLE SOCKET L TYPE WRENCH



Hand forged from one piece of Chrome Vanadium Steel.

No.	Opening	Price
444	9/16 sq.v9/16 sq. ....	\$2.60

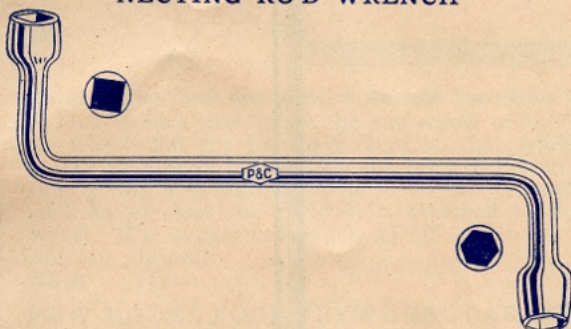
## No. 446 FORD MAIN BEARING WRENCH

This wrench has the one end with the square opening for the square head of the bolt of the Ford main bearing, offset at an angle that allows the handle to clear the crank case, while the hexagon end of the wrench fits the nut of the main bearing.

9/16" Square and 3/4" Hex. Opening.....	\$3.00
---	--------



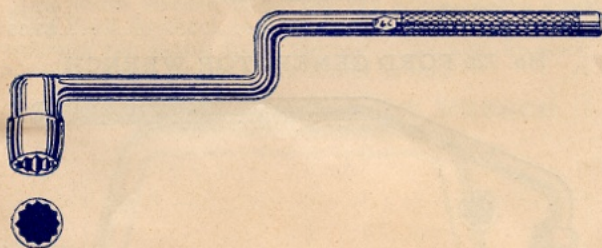
### No. 445 FORD MAIN BEARING AND CONNECTING ROD WRENCH



This wrench has the one end 9/16" square opening to fit the bolt head of the Ford main bearing, while the other end has a 5/8" hexagon opening to fit the connecting rods of the Ford car.

No. 445 9/16" Square and 5/8 Hex. Opening.....\$2.80

### NEW MODEL FORD REAR MAIN BEARING WRENCH



No.	Opening	Price
447	3/4" .....	\$2.25

This wrench has a twelve point socket, which makes it possible to take one-twelfth of a turn. Has a good leverage and clears the crank case.

### No. 100-F FORD FOURTH CONNECTING ROD WRENCH

This wrench has the shank of the "T" handle off-set sufficiently so that the fourth connecting rod can be reached through the inspection opening, and without removing the lower crank case.

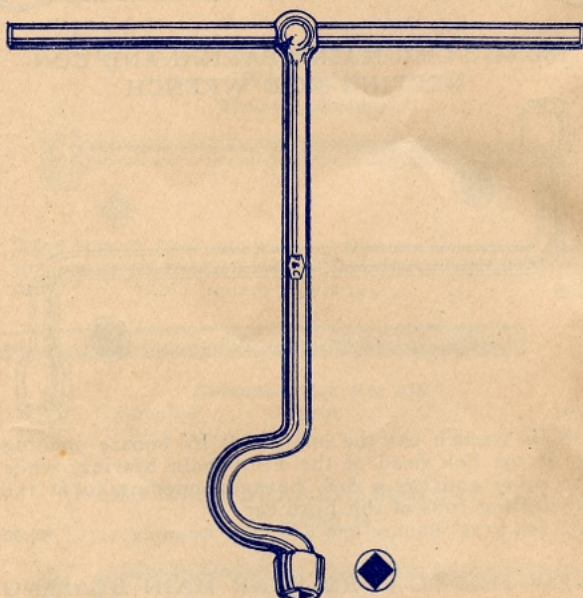
No.	Opening	Price
100F	5/8 .....	\$3.00

### FORD FRONT MAIN BEARING STRAIGHT SHANK TEE WRENCH

Socket and shank hand-forged from one piece of Chrome Vanadium Steel

No.	Opening	Price
110F	9/16 Sq. ....	\$3.00

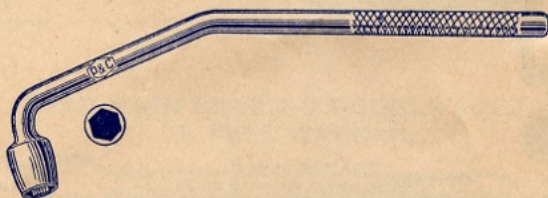
## FORD MAIN BEARING WRENCH



**Socket and shank hand-forged from one piece of Chrome Vanadium Steel**

No.	Opening	Price
120F	9/16 Sq. ....	\$3.35

## No. 720 FORD GENERATOR WRENCH

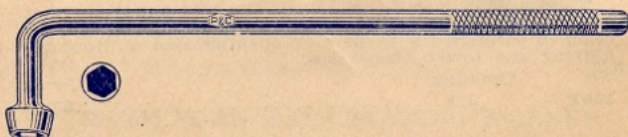


**Hand forged from one piece of Chrome Vanadium Steel.**

This wrench has the socket offset, and a  $\frac{5}{8}$ " opening to fit the nuts on the generator, and has the handle bent slightly to clear the fan.

No.	Opening	Price
720	5/8 .....	\$1.60

## No. 722 FORD FLY WHEEL WRENCH

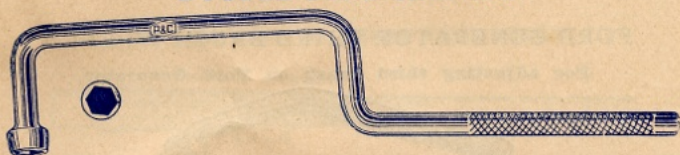


**Hand forged from one piece of Chrome Vanadium Steel.**

This wrench is designed to fit the cap screw of the Ford fly wheel and the bend is long enough so that the handle will clear the field coils which are attached to the fly wheel. 11/16" opening.

No.	Opening	Price
722	11/16 .....	\$1.80

## FORD FLY WHEEL CAP SCREW WRENCH DOUBLE BEND HANDLE

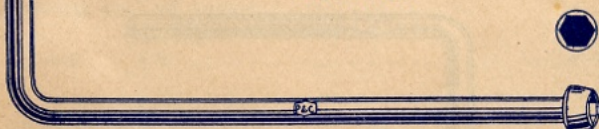


Hand forged from one piece of Chrome Vanadium Steel.

This wrench also is for the cap screw of the Ford fly wheel, but the handle is bent so that while the handle is directly in line with the head of the wrench, thus giving a straight pull, the bend in the handle is such as to clear the Field coils attached to the fly wheel. The socket opening is 11/16".

No.	Opening	Price
722-B	11/16	\$2.00

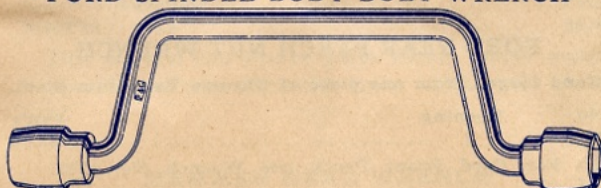
## NEW MODEL FORD FLYWHEEL CAP SCREW WRENCH



No.	Opening	Price
722C	11/16	\$2.00

The above wrench is for the cap screw of the new model Ford flywheel, to drop the bearing cap, without removing the motor from the car. Can also be used on older model Fords when motor is out.

## FORD SPINDLE BODY BOLT WRENCH



A double end speed wrench for the spindle body bolts on the Ford, has openings for the nut and the head of the bolt. A big time saver. This speed wrench can be used either with the wheel on or off. Also has many other uses.

No.	Opening	Price
5200	11/16x3/4	2.00

## FORD DIFFERTNIAL HOUSING SPEED WRENCH

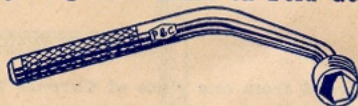


A very handy speeder for taking off the bolts on the Ford rear end. Has many other uses.

No.	Opening	Sweep	Below Bend	Price
5316	1/2	5"	6"	\$1.25

**FORD GENERATOR THIRD BRUSH WRENCH**

For adjusting third brush on Ford Generator

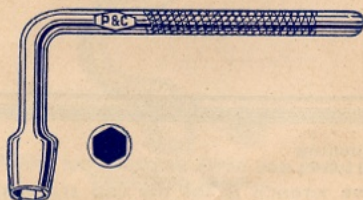


Hand forged from one piece of Chrome Vanadium Steel.

No.	Opening	Price
1510AF	5/16 .....	\$0.90

**FORD CARBURETOR WRENCH**

For removing Ford Carburetor without disconnecting manifold



Hand forged from one piece of Chrome Vanadium Steel.

No.	Opening	Price
918F	9/16 .....	\$1.20

**FORD REAR PERCH NUT WRENCH**

Hand forged from one piece of Chrome Vanadium Steel.

No.	Opening	Price
1632	1 .....	\$3.00

For Ford Front Perch use Wrench No. 1530

**FORD ASSEMBLY PUNCH**

A very handy punch for assembly work and is very useful in repair work.

No.	Price
150 .....	\$1.60

**RING GROOVE CLEANER**

Our Ring Groove Cleaner will be found to do the work perfectly. The work can be done in about one-tenth the time it formerly required.

No.	Price
200	1/4 ..... \$1.20
201	3/16 ..... 1.20
202	1/8 ..... 1.20

**SPINDLE BODY BUSHING EXTRACTOR**

These bushing extractors are screwed into the bushing, allowing the small end to extend through the body. By hammering on the small end, the bushing is easily driven out. Hand forged from Chrome Vanadium steel.

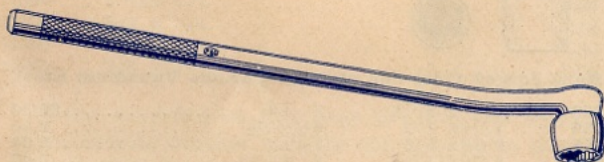
No.	Price
367	7/16 to 7/8.....\$3.00

**FORD FOURTH CONNECTING ROD WRENCH**

Hand forged from one piece of Chrome Vanadium Steel

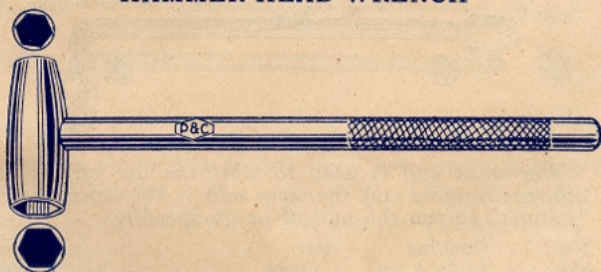
This wrench is similar to 1520 except handle is swung  $1\frac{1}{4}$ " off square.

No.	Opening	Price
1520F	5/8 .....	\$1.25



No.	Opening	Price
1520F12	5/8 .....	\$2.00

This wrench has twelve point socket which makes it possible to take a twelfth turn. Clears the crank case.

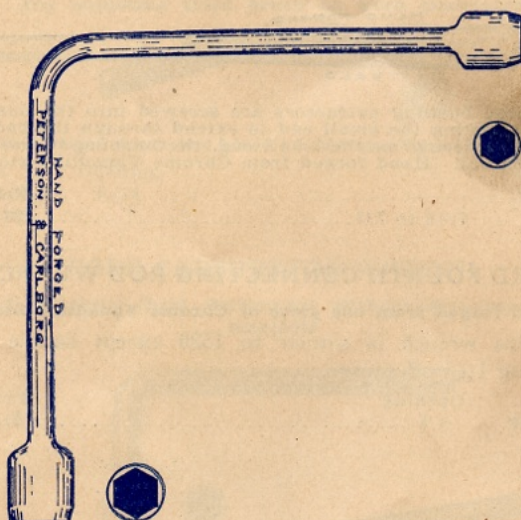
**HAMMER HEAD WRENCH**

Sockets hand-forged from one piece of Chrome Vanadium Steel

No.	Opening	Price
402	7/16x1/2 .....	\$2.40
403	1/2x9/16 .....	2.40
404	1/2x5/8 .....	2.40
405	9/16x5/8 .....	2.40
406	9/16x3/4 .....	2.60
408	5/8x3/4 .....	2.60



## L TYPE DOUBLE SOCKET WRENCH



Hand forged from one piece of Chrome Vanadium Steel.

253	1/2 x 9/16	8 x 8	.....	\$2.50
254	7/16 x 1/2	6 1/2 x 6 1/2	.....	2.40
255	9/16 x 5/8	8 x 8	.....	2.60
256	9/16 x 11/16	8 x 8	.....	2.60
257	9/16 x 3/4	8 x 8	.....	2.60
258	5/8 x 11/16	8 x 8	.....	3.00
259	5/8 x 3/4	8 x 8	.....	3.00
260	3/4 x 7/8	8 x 8	.....	3.00

## DOUBLE SOCKET "L" TYPE WRENCHES

Hand forged from one piece of Chrome Vanadium Steel.



The short end is used to start the nut off, or to tighten it tight, and the long end is then used as a "spinner" to run the nut off or on speedily.

No.	Opening	Size	Price
314	7/16 x 7/16	1 1/2 x 8	\$2.00
316	1/2 x 1/2	2 x 9 1/2	2.20
318	9/16 x 9/16	2 x 10	2.40
320	5/8 x 5/8	2 x 10	2.60
322	11/16 x 11/16	2 1/2 x 10	2.80
324	3/4 x 3/4	2 1/2 x 11	3.00
328	7/8 x 7/8	2 1/2 x 11	3.40

No. C324 3/4 x 3/4 opening, 5" Offset Chevrolet Cylinder Head Wrench. List price..... 3.25



## SPECIAL DOUBLE OFFSET SOCKET WRENCH

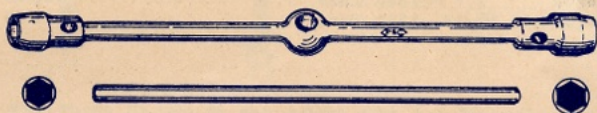


Hand forged from one piece of Chrome Vanadium Steel  
For main bearings and connecting rods.

No.	Opening	Price
1820	9/16x5/8 .....	\$3.00
1822	9/16x11/16 .....	3.00
1824	9/16x 3/4 .....	3.00
2024	5/8 x 3/4 .....	3.50
2428	3/4 x 7/8 .....	3.50
2830	7/8 x15/16 .....	4.00

In the wrenches on this page the first two figures of the catalog number indicate one opening in thirty-seconds of an inch. The last two figures indicate the other opening in thirty-seconds of an inch.

## PIN WRENCHES



For use on connecting rods, cylinder heads, main bearings, pinion gears, axle nuts, etc., where a hard pull is required. This wrench will be found to be handy in awkward places and a great leverage is obtained.

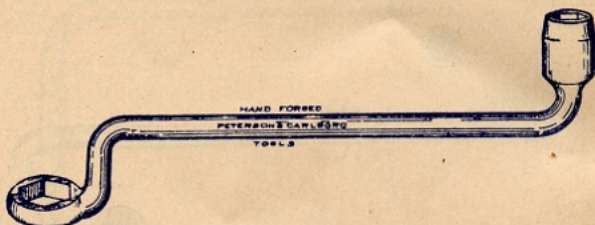
No.	Opening	Price
1820P	9/16x5/8 .....	\$3.60
1824P	9/16x3/4 .....	3.80
2024P	5/8 x3/4 .....	3.80
2224P	11/16x3/4 .....	3.80
2428P	3/4 x7/8 ....	4.00
2428P	3/4 x7/8, 18" long .....	4.50



P. & C. HAND FORGED TOOL COMPANY



## SPECIAL DOUBLE OFFSET SOCKET WRENCH

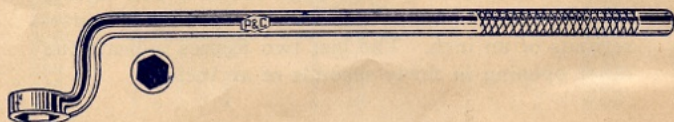


Hand forged from one piece of Chrome Vanadium Steel.

Chevrolet connecting rod and main bearing.

No.	Openings	Price
8218	7/8 x9/16—1923 Cars .....	\$3.35
8318	13/16x9/16—1924 Cars .....	3.35

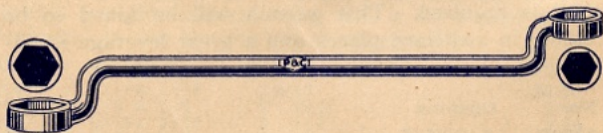
## CHEVROLET M. B. OFFSET BOX WRENCH



Hand forged from one piece of Chrome Vanadium Steel.

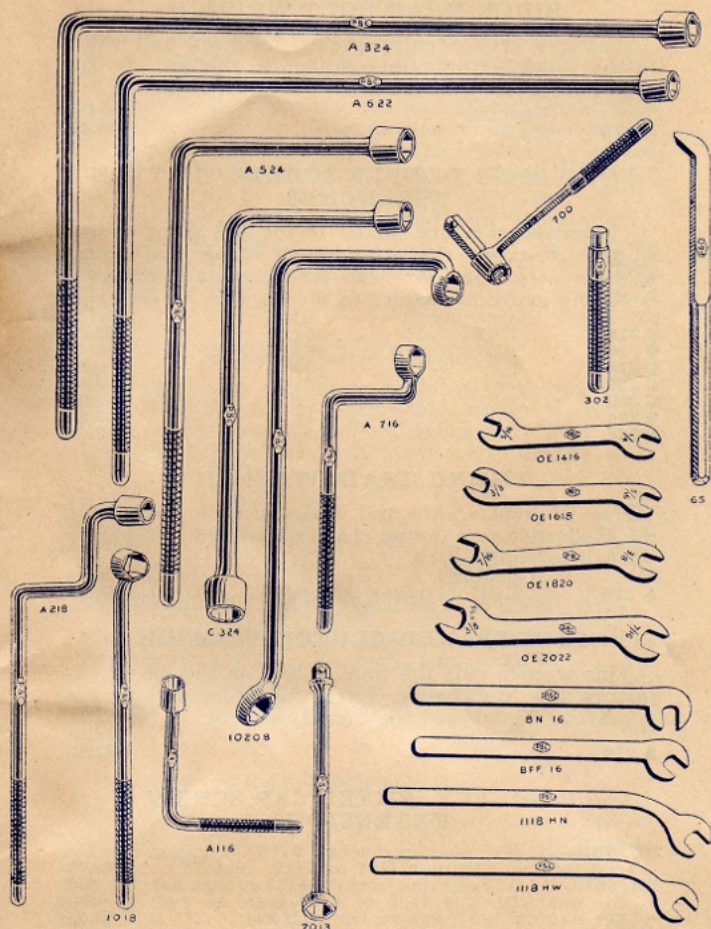
No.	Opening	Price
8200	7/8 —1923 Cars .....	\$2.25
8300	13/16—1924 Cars .....	2.25

## DOUBLE OFFSET 1923 AND 1924 CHEVROLET M. B. BOX WRENCHES



Hand forged from one piece of Chrome Vanadium Steel.

No.	Opening	Price
8283	13/16x7/8 .....	\$3.35



The Tools Shown in the Above Cut Are Described on the Following Pages

They are hand forged from Chrome Vanadium Steel

### CYLINDER HEAD BOLT WRENCHES

The following three wrenches have extra long shanks to clear obstructions and good leverage on the handles. This type of wrench is preferred by many mechanics.

No.	Opening	Size	Price
<b>A324</b> —Chevrolet	3/4"	12 x18"	<b>\$2.40</b>
<b>A622</b> —Dodge	1 1/16"	12 x16"	<b>2.20</b>
<b>A524</b> —Studebaker	3/4"	6 1/2 x13"	<b>2.00</b>

### ESSEX HEAD BOLT WRENCH

This wrench has a 30-degree bend. Just right for the Essex head bolts.

No.	Opening	Price
<b>1018</b>	9/16"	<b>\$2.00</b>

**BUICK HEAD BOLT WRENCH**

This is a very popular wrench for head bolt work on the Buick. Notice this wrench in the cut. It has 12 point sockets and the angles are just right.

No.	Opening	Price
<b>1020B</b>	5/8" 12 point sockets	<b>\$3.00</b>

**LONG BEND DOUBLE SOCKET "L" TYPE WRENCHES**

These wrenches are similar to the 300 series shown on page 28, except they have longer shanks and longer bends. Very good for head bolt work and are preferred by many mechanics to the regular 300 series.

No.	Openings	Size	Price
<b>C 314</b>	7/16x 7/16	5x12	<b>\$2.25</b>
<b>C 316</b>	1/2 x 1/2	5x12	<b>2.45</b>
<b>C 318</b>	9/16x 9/16	5x12	<b>2.65</b>
<b>C 320</b>	5/8 x 5/8	5x12	<b>2.85</b>
<b>C 322</b>	11/16x11/16	5x12	<b>3.05</b>
<b>C 324</b>	3/4 x 3/4	5x12	<b>3.25</b>
<b>C 328</b>	7/8 x 7/8	5x12	<b>3.65</b>

**TIMING CHAIN WRENCH**

Has 12 point socket and is the wrench needed for the Hudson-Essex timing chain adjustment. A handy wrench for other uses.

No.	Opening	Price
<b>A 116</b>	1/2" 12 point socket	<b>\$1.65</b>

**STUDEBAKER CLUTCH WRENCH**

This wrench cuts the time in half on the job of adjusting the Studebaker clutch. Enables you to get under the floor board for the adjustment.

No.	Opening	Price
<b>A 716</b>	1/2"	<b>\$1.40</b>

**FORD FLY WHEEL CAP SCREW EXTENSIONS**

- No. 7013**—11/16" opening socket, 9/16" Hexagon service end for use with our 7109 or 7119. Sets.....**\$1.75**  
**No. 6013**—11/16" opening socket, 1/2" square service end for use with our 6109 or 6119 sets, as well as any set having 1/2" square connections.....**\$1.75**

**STUDEBAKER MAIN BEARING WRENCH**

The best wrench on the market for the Studebaker main bearing.

No.	Opening	Price
<b>A 218</b>	9/16"	<b>\$2.00</b>

**FORD BUSHING PUNCH**

For removing the steel bushings in the Ford spindle arm and Spring shackles.

No.	Price
<b>302</b>	<b>\$1.00</b>

**FORD CONE DRIVE**

For driving out the cone in the Ford front wheel. A very popular tool for this work.

No.	Price
<b>65</b>	<b>\$1.35</b>



## VALVE TAPPET TOOL

A wonderful tool for adjusting overhead valve tappets with motor running. Has 12 point socket, with screw driver blade which moves up and down. Release nut with socket wrench and adjust tappet with screw driver, leaving other hand free for feeler gauge. The screw driver head is hexagon, allowing use of wrench. Also has hole in head in which punch or small bar may be used for loosening tappet. 9/16" for Buick, 5/8" for Chevrolet. Also used on other cars.

No.	Opening	Price
<b>700</b>	9/16"	<b>\$2.50</b>
<b>701</b>	5/8"	<b>2.50</b>
<b>702</b>	1/2"	<b>2.50</b>

## OPEN END WRENCHES

Our open end wrenches are made with the right angle. They are hand-forged from Chrome Vanadium Steel, properly heat treated and tempered. They have wonderful strength and will wear exceptionally well.

No.	Openings	Price
<b>OE 1416</b>	7/16x 1/2	<b>\$ .90</b>
<b>OE 1618</b>	1/2 x9/16	<b>1.00</b>
<b>OE 1820</b>	9/16x 5/8	<b>1.05</b>
<b>OE 2022</b>	5/8 x11/16	<b>1.15</b>

## SPECIAL HUDSON TAPPET WRENCHES

One of these wrenches has a wide neck and the other a narrow neck. They are used in pairs.

No.	Opening	Price
<b>1118 HN</b>	9/16" narrow neck	<b>\$ .90</b>
<b>1118 HW</b>	9/16" wide neck	<b>.90</b>

## BRAKE WRENCHES

Our brake wrenches are made with two different angles: 45 degree and 90 degree. Very handy for adjusting brakes.

No.	Opening	Degree	Price
<b>BN16</b>	1/2"	90	<b>\$1.25</b>
<b>BN18</b>	9/16"	90	<b>1.25</b>
<b>BN20</b>	5/8"	90	<b>1.25</b>
<b>BN24</b>	3/4"	90	<b>1.25</b>
<b>BN28</b>	7/8"	90	<b>1.25</b>
<b>BFF16</b>	1/2"	45	<b>1.25</b>
<b>BFF18</b>	9/16"	45	<b>1.25</b>
<b>BFF20</b>	5/8"	45	<b>1.25</b>
<b>BFF24</b>	3/4"	45	<b>1.25</b>
<b>BFF28</b>	7/8"	45	<b>1.25</b>

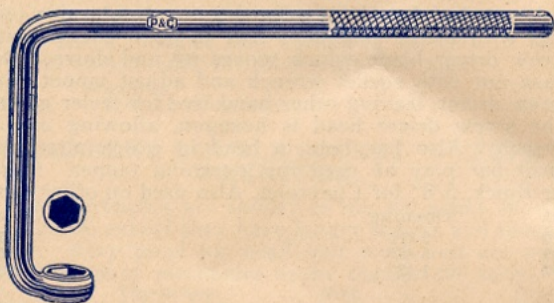
## PIN WRENCHES (NOT ILLUSTRATED)

These pin wrenches are similar to the ones shown on page 29, except they do not have the hump and hole in the center. They are 18" long and have a hole for pin at the base of each socket.

No.	Openings	Length	Price
<b>AP 1820</b>	9/16x5/8	18"	<b>\$3.20</b>
<b>AP 1824</b>	9/16x3/4	18"	<b>3.40</b>
<b>AP 2024</b>	5/8 x3/4	18"	<b>3.40</b>
<b>AP 2224</b>	11/16x3/4	18"	<b>3.40</b>
<b>AP 2428</b>	3/4 x7/8	18"	<b>3.60</b>



## CYLINDER HEAD BOLT WRENCHES



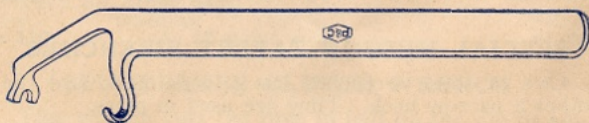
Cleans rocker arms on valve-in-head motors.

Hand forged from one piece of Chrome Vanadium Steel.

No.	Price
1020 For Buick 5/8 opening.....	\$2.50
1022 For Oldsmobile and Oakland 11/16 opening..	2.50

The No. 1020 and No. 1022 have 12 point sockets.

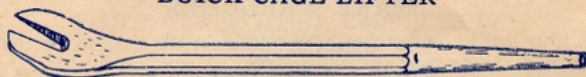
## BUICK ROCKER ARM LIFTER



Hand forged from one piece of Chrome Vanadium Steel.

No. 500.	Price .....	\$1.80
----------	-------------	--------

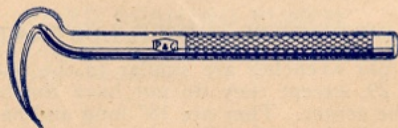
## BUICK CAGE LIFTER



This lifter is designed for lifting the Buick Valve Cage. Put a hammer handle, a little block or anything under the bar and press down.

No.	Length	Price
185	20" .....	\$2.50

## COTTER KEY PULLER

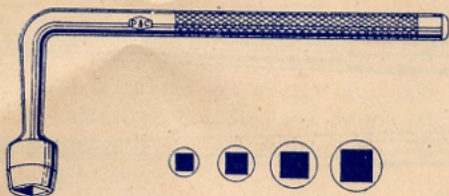


Get this Cotter Key Puller and your troubles in taking out cotters are over. Made from the best steel and just the right shape.

No.	Length	Price
125	7" .....	\$1.00



## WRIST PIN LOCK NUT WRENCH



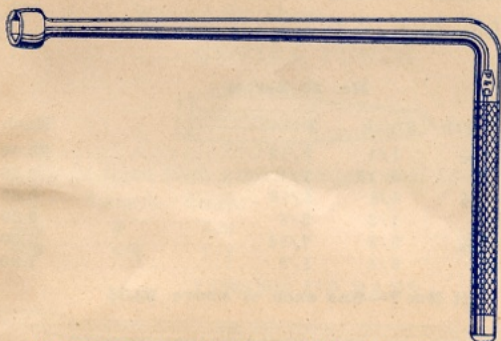
A wonderful wrench for removing and replacing Wrist Pin Lock Nuts.

No.	Opening	Price
1408	1/4	\$1.00
1410	5/16	1.10
1412	3/8	1.20
1414	7/16	1.30

No. 1400 Set—One of each \$4.00

The 1/4" is for the Buick, 5/16" for Pierce Arrow, 3/8" for Dodge and 7/16" for Hudson. They also fit many other makes of cars.

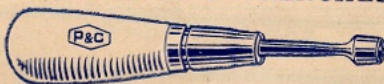
## MOTORCYCLE WRENCH



Here is a wrench that will be found to have many uses around the motorcycle. Motorcycle mechanics have been looking for it for a long time. Also useful on the auto.

No.	Opening	Length	Price
190	3/8	4x6	\$1.25

## ELECTRICIAN'S WRENCHES



Hand forged from one piece of Chrome Vanadium Steel.

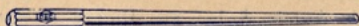
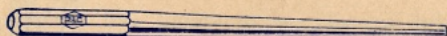
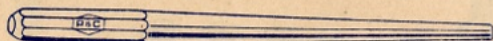
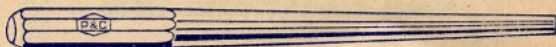
The two sizes of the wrench here illustrated are to fit the nuts on the Ford coils especially; but they are used for a great many purposes by electricians for the small nuts on electrical and radio work.

We make these in other sizes as required.

No.	Opening	Price
1308	1/4	\$ .75
1310	5/16	\$ .75
1311	11/32	.75
1312	3/8	.75
1314	7/16	.75



## SLIM TAPER PUNCHES



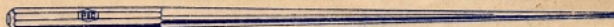
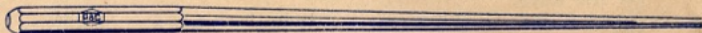
Made from high grade octagon tool steel.

## No. 25 Series

No.	Length	Stock	Point	Each
25A	6½	1/4	3/16 .....	\$0.40
25B	7	5/16	1/4 .....	0.50
25C	7½	3/8	5/16 .....	0.65
25D	8	1/2	3/8 .....	0.80
25E	8½	5/8	7/16 .....	1.00
25F	9	3/4	1/2 .....	1.20

Kit No. 7—One each of above, \$3.85

## EXTRA LONG S. T. PUNCHES



Made from high grade octagon tool steel.

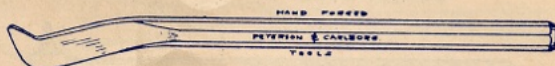
## No. 35 Series

No.	Length	Stock	Point	Each
35A	12	3/8	3/16 .....	\$0.80
35B	14	1/2	1/4 .....	1.20
35C	16	5/8	5/16 .....	1.50

Kit No. 13—One each of above, \$3.00



## BUICK CAGE NUT DRIVE



Did you ever try to get a cage nut loose with a chisel and hammer? This tool will do the job without damage to the nut.

No.	Length	Stock	Price
75	11"	5/8	\$1.35

Also used for removing Ford front wheel cones.

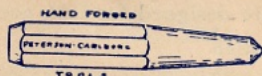
## FORD UNIVERSAL PIN PUNCH



Designed especially for the Ford Universal joint pin—taper is ground exact.

No.	Point	Price
301	17/64—3/4" Octagon Steel, 7" long	\$1.50
301 B	Starter for above	1.50

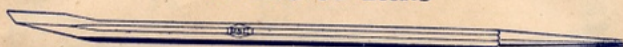
## CENTER PUNCH



Made from high grade octagon tool steel.

No.	Length	Stock	Price
45A	4	3/8	\$0.60
45B	4 1/2	1/2	0.80

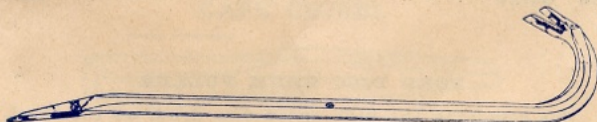
## LINING UP BARS



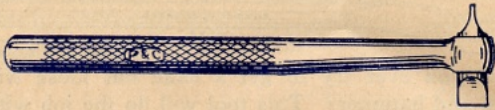
Made from high grade octagon tool steel, one end flat with chisel point, other end round taper point.

No.	Size	Price
15A	1/2x14	\$1.60
15B	5/8x20	2.00

## WRECKING BAR



No.	Length	Stock	Price
222a	6"	5/16	\$0.80
222b	12"	1/2	1.60
222c	14"	1/2	1.80
222d	24"	5/8"	2.50
222e	30"	3/4	3.50

**OFFSET SCREW DRIVER**

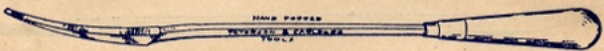
As the cut shows this screw driver has two bits, set in opposite positions. A very handy tool for use in close places. Made of the best grade of steel and is a tool that every mechanic needs.

No.	Length	Price
175	6" .....	\$1.50

**BEARING SCRAPER**

Being hand-forged, accurately ground and tempered, these bearing scrapers remain in perfect condition longer. They are designed for fast, accurate work.

No.	Description	Price
43	Small .....	\$1.50
53	Medium .....	1.75
63	Large .....	2.00

**BEARING SCRAPER**

Without exception the best scraper on the market.

These bearing scrapers are the best you can buy. Made from the design of able mechanics of years of experience in scraping bearings. Perfectly tempered and designed.

No.	Price
73 Medium .....	\$2.00
83 Large .....	2.20

**FORD DISC DRUM PULLER**

For removing the high speed disc drum on the Ford. The puller has pins which fit into the holes in the drum, and by tightening the screw the drum is removed. This puller will be found to be the most efficient and speedy puller you have ever seen.

No.	Price
195 .....	\$3.50



## HEAVY DUTY SCREWDRIVER

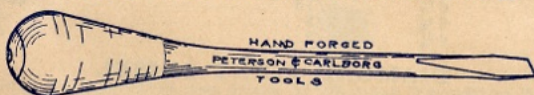


## Leather Handle

These heavy duty and general purpose screw drivers are hand forged from Chrome Vanadium steel—fitted with sole leather handle—polished. Practically everlasting.

No.	Blade	Overall	Price
92b	4	8	\$1.80
92e	10	14	2.60
92g	14	22	3.00
92h	18	24	3.50

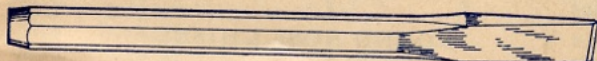
## GENERAL PURPOSE SCREWDRIVER



## Leather Handle

No.	Blade	Overall	Price
90b	4	8	\$1.60
90d	8	12	1.90
90f	14	18	2.40

## COLD CHISEL

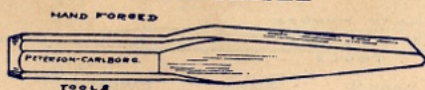


No.	Length	Stock	Price
10a	5	1/4	\$0.30
10b	5	5/16	.35
10c	5	3/8	.45
10d	6	1/2	.65
10e	6 1/2	5/8	.80
10f	7	3/4	.90
Kit No. 5—One each of the above.			3.25

## EXTRA LENGTH COLD CHISELS

10g	10	3/4	\$1.10
10h	12	3/4	1.30
10k	16	3/4	1.70
10m	20	3/4	2.00
10p	24	3/4	2.40
10r	10	7/8	1.40
10s	14	7/8	1.80
10t	18	7/8	2.40
10v	12	1	2.00

## CAPE CHISEL



No.	Length	Stock	Price
30a	5	1/4	\$0.40
30b	5 1/2	5/16	.45
30c	6 1/2	3/8	.50
30d	7	1/2	.65
30e	8 1/2	5/8	.80
30f	9	3/4	.90
Kit No. 8—One each of the above.			\$3.35



## KEY SEAT CHISEL



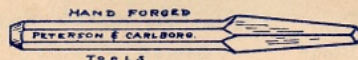
No.	Length	Stock	Price
40a	5	1/4.....	\$0.40
40b	5 1/2	5/16.....	.45
40c	6 1/2	3/8.....	.50
40d	7	1/2.....	.65
40e	8 1/2	5/8.....	.80
40f	9	3/4.....	.90

## KEY DRIFT



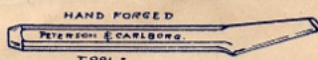
No.	Length	Stock	Price
50a	6 1/4	5/16.....	\$0.40
50b	6 1/2	3/8.....	.50
50c	6 3/4	1/2.....	.80

## DIAMOND POINT CHISEL



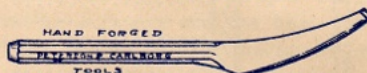
No.	Length	Stock	Price
60a	4	1/4.....	\$0.40
60b	4 1/2	5/16.....	.50
60c	5	3/8.....	.65
60d	6	1/2.....	.80

## ROUND NOSE CHISEL



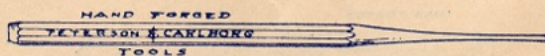
No.	Length	Stock	Price
70a	4 1/2	1/4.....	\$0.40
70b	5	5/16.....	.55
70c	6	3/8.....	.65
70d	7	1/2.....	.80

## OIL GROOVE CHISEL



No.	Length	Stock	Price
80a	6	5/16.....	\$0.65
80b	6 1/2	3/8.....	.75

## PIN PUNCH



No.	Length	Stock	Point	Price
55b	5	5/16	3/32	\$ .40
55c	5	5/16	1/8	.40
55d	5	5/16	5/32	.50
55e	5	1/2	3/16	.50
55f	5	1/2	7/32	.50
55g	5	1/2	9/32	.60
55x	Starter for 55b, 55c, 55d, 1/2" stock.....			.40
55z	Starter for 55e, 55f, 55g, 1/2" stock.....			.50
Kit No. 14	—One each of the above.....			3.50



## RIVET SHEAR

No.	Length	Stock	Price
90a	10	5/8.....	\$1.00
90b	10	3/4.....	1.30
90c	12	3/4.....	1.70

HAND FORGED SOCKETS FOR SPEED  
WRENCH SHANKS

Hand forged from one piece of Chrome Vanadium Steel.

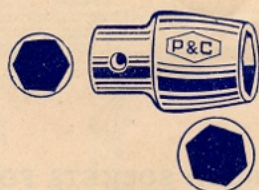
These sockets can be attached to any speed wrench shank by squaring shank and driving socket on.

No. 5000 Series, square hole for handles.

No.	Openings	Price
5014	7/16 .....	\$0.80
5016	1/2 .....	0.80
5018	9/16 .....	0.80
5019	19/32 .....	0.80
5020	5/8 .....	0.80
5022	11/16 .....	0.80
5024	3/4 .....	0.90
5025	25/32 .....	0.90
5026	13/16 .....	0.90
5028	7/8 .....	1.00
5030	15/16 .....	1.00
5032	1 .....	1.20
5034	1 1/16 .....	1.20

No. 6000 Series have 1/2" square hole for handles. These sockets fit our P. & C. Socket Sets. These also fit "Snap-On" and Walden Socket Sets.

No.	Openings	Price
6014	7/16 .....	\$0.80
6016	1/2 .....	0.80
6018	9/16 .....	0.80
6019	19/32 .....	0.80
6020	5/8 .....	0.80
6022	11/16 .....	0.80
6024	3/4 .....	0.90
6025	25/32 .....	0.90
6026	13/16 .....	0.90
6028	7/8 .....	1.00
6030	15/16 .....	1.00
6032	1 .....	1.20
6034	1 1/16 .....	1.20



No. 7000 Series have 9/16" hexagon hole for handles.  
These sockets fit our Hex-On Socket Sets.

No.	Openings	Price
7014	7/16 .....	\$0.80
7016	1/2 .....	.80
7018	9/16 .....	.80
7019	19/32 .....	.80
7020	5/8 .....	.80
7022	11/16 .....	.80
7024	3/4 .....	.90
7025	25/32 .....	.90
7026	13/16 .....	.90
7028	7/8 .....	1.00
7030	15/16 .....	1.00
7032	1 .....	1.20
7034	1 1/16 .....	1.20

### SQUARE OPENING SOCKETS

6000 Series have 1/2" square hole for handles. Fit on our P & C Socket Sets. Also fit Snap-On and Walden Sets.

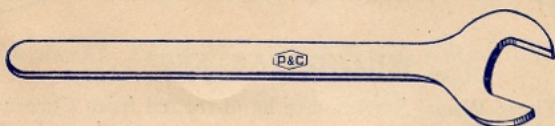
No.	Opening	Price
6008S	1/4 .....	\$1.00
6010S	5/16 .....	1.00
6012S	3/8 .....	1.00
6014S	7/16 .....	1.00
6016S	1/2 .....	1.00
6018S	9/16 .....	1.00
6020S	5/8 .....	1.40
6024S	3/4 .....	1.60

7000 Series have 9/16" Hexagon hole for handles.

No.	Opening	Price
7008S	1/4 .....	\$1.00
7010S	5/16 .....	1.00
7012S	3/8 .....	1.00
7014S	7/16 .....	1.00
7016S	1/2 .....	1.00
7018S	9/16 .....	1.00
7020S	5/8 .....	1.40
7024S	3/4 .....	1.60

These sockets fit our Hex-On Socket Sets.

## WATER PUMP PACKING NUT WRENCHES



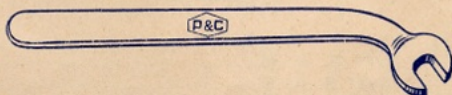
Hand forged from one piece of Chrome Vanadium Steel.

No.	Opening	Price
1234	1 1/16	\$1.50
1236	1 1/8	1.50
1238	1 3/16	1.50
1240	1 1/4	1.50
1242	1 5/16	1.50
1244	1 3/8	1.50
1246	1 7/16	1.60
1248	1 1/2	1.60
1252	1 5/8	1.75
1256	1 3/4	2.00

No. 1200 Set—One each above.....\$14.50

All Water Pump Wrenches shown in the catalog are hand-forged from Chrome-Vanadium Steel, and the last two figures of the catalog number indicate the size of the opening in thirty-seconds of an inch.

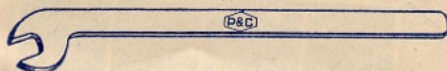
## FORD DISC DRUM SET SCREW WRENCH



Hand forged from one piece of Chrome Vanadium Steel.

No.	Opening	Length	Price
1112F	3/8"	6 1/2"	\$1.00

## DODGE SPECIAL TAPPET WRENCHES

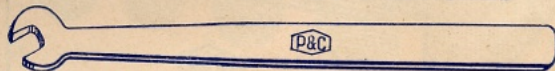


Hand forged from Chrome Vanadium Steel

No.	Opening	Length	Price
1116D	1/2"	11"	\$.90

Sold single or in pairs. A pair consists of one with tappet head as per illustration above and other with opening straight in line with handle.

## SINGLE END TAPPET WRENCHES



Hand forged from one piece of Chrome Vanadium Steel. 9" long over all.

No.	Opening	Thickness	Price
1114	7/16	3/16"	\$.80
1116	1/2	3/16"	.80
1117	17/32	1/8"	.80
1118	9/16	3/16"	.80
1120	5/8	3/16"	.80
1122	11/16	3/16"	.90
1124	3/4	3/16"	.90
1126	13/16"	3/16"	.90
1128	7/8	3/16"	1.00
1130	15/16		1.00
1132	1"		1.00

All Tappet Wrenches shown in the catalog are hand-forged from Chrome-Vanadium Steel and the last two figures of catalog number indicate the size of the opening in thirty-seconds of an inch.

See last pages in catalog for sizes of Tappet Wrenches for individual cars.



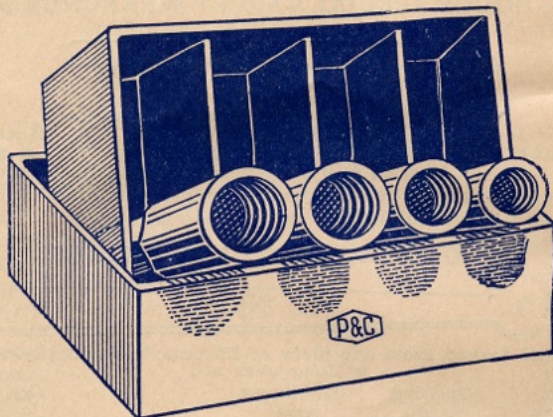
## WHEEL STARTERS

These Wheel Starters are hand-forged from Chrome Vanadium Steel and are re-tempered. If the threads of the axle are damaged, this tool acts as a die in straightening the threads.

Screw the Starter on tight, so that the end of the axle is against the bottom of the socket, and then a stroke or two with a hammer will loosen the wheel so that it can be easily removed. Better than any wheel puller or other device for removing the wheel from the rear axle.



No.		Price
1000F	5/8" S. A. E.....	\$1.00
1001	3/4" S. A. E.....	1.00
1002	7/8" S. A. E.....	1.40
1003	1" S. A. E.....	1.60
1004	1 1/8" S. A. E.....	1.30
1006	1 1/4" S. A. E.....	2.00



No. 1000 set in a neat, strong box.....	\$4.00
5/8, 3/4, 7/8, 1"	
No. 1005 set—5/8, 3/4, 7/8, 1, 1 1/8.....	\$5.50
1000S 5/8" S. A. E., 5/8" deep for Star cars.....	\$1.00

## SPECIAL NOTICE

The 1000-F. Wheel Starter is fine for driving out the Front Spring-Perch on the Ford Car.

See last pages in catalog for sizes of Wheel Starters for individual cars.



# SIZES OF TAPPET ADJUSTING WRENCHES AND WHEEL STARTERS FOR INDIVIDUAL CARS

Cars—	Size Opening	Wrench No.	Quantity Wr'h's Needed	Size Wheel Starters to Screw on Rear Axles
Apperson .....				
Auburn .....				
Buick 4.....	1/2	1116	1	
Buick Master 6...	9/16	1118	1	
Buick Standard 6.	1/2	1116	1	
Cadillac .....	9/16	1118	2	
Chandler .....	{ 3/4 15/16	1124 1130	1 1	7/8 S.A.E.
Case .....	{ 5/8 11/16	1120 1122	1 1	1 S.A.E.
Chrysler .....	1/2	1116	2	7/8 S.A.E.
Cleveland .....	{ 7/8 15/16	1128 1130	1 1	7/8 S.A.E.
Cole .....	{ 1/2 9/16	1116 1118	1 1	
Chevrolet .....	1/2	1116	1	3/4 S.A.E. 1924 5/8 S.A.E. 1923
Dort .....	{ 7/16 5/8	1114 1120	1 1	3/4 S.A.E.
Dodge .....	1/2	1116D	2	7/8 S.A.E.
Durant .....	1/2	1116	2	5/8 S.A.E.
Essex, 1921 and earlier .....	5/8 11/16	1120 1122	2 1	7/8 S.A.E. 4-cyl.
Essex, 1922 and later .....	9/16	1118	2	5/8 S.A.E. 6-cyl.
Franklin .....	11/16	1122	1	3/4 S.A.E.
Flint .....	{ 5/8 11/16 13/16	1120 1122 1126	1 1 1	3/4 S.A.E.
Ford .....				Cars 5/8 S.A.E. Truck 7/8 S.A.E.
Gray .....	1/2	1116	3	5/8 S.A.E.
Gardner .....	{ 1/2 9/16 5/8	1116 1118 1120	1 1 1	3/4 S.A.E.
Haines .....	{ 5/8 13/16	1120 1126	2 1	1 S.A.E.
Hudson .....	9/16	1118	2	7/8 S.A.E.
Hupmobile .....	9/16	1118	2	7/8 S.A.E.
Jewett .....	{ 5/8 3/4	1120 1124	2 1	7/8 S.A.E.
Jordan .....	{ 5/8 11/16 13/16	1120 1122 1126	1 1 1	7/8 S.A.E.



# SIZES OF TAPPET ADJUSTING WRENCHES AND WHEEL STARTERS FOR INDIVIDUAL CARS

(Continued)

Cars—	Size Opening	Wrench No.	Quantity Wr'hes Needed	Size Wheel Starters to Screw on Rear Axles
Lincoln .....	1/2	1116	2	
Maxwell .....	9/16	1118	2	3/4 S.A.E. 1922 7/8 S.A.E. 1923
Marmon, 1920 and later... ..	9/16	1118	2	
Moon .....	9/16	1118	1	3/4 S.A.E.
	5/8	1120	1	
Nash .....	1/2	1116	1	7/8 S.A.E.
	5/8	1120	1	
Oakland, 1916-23..	1/2	1116	2	
Oakland, 1924.....	1/2	1116	1	7/8 S.A.E.
	9/16	1118	1	
Overland 4.....	1/2	1116	1	5/8 S.A.E.
Overland Model 91	1/2	1116	1	7/8 S.A.E.
Oldsmobile, 1923 and older .....	9/16	1118	2	1 S.A.E.
Oldsmobile, 1924..	9/16	1118	3	
Packard .....	1/2	1116	1	1 S.A.E. Sgl. 6
	9/16	1118	1	
Paige .....	5/8	1120	1	7/8 S.A.E.
	11/16	1122	1	
	13/16	1126	1	
Reo .....	9/16	1118	2	1 S.A.E.
Rollin .....	1/2	1116	1	3/4 S.A.E.
	9/16	1118	1	
Rickenbacker ....	9/16	1118	3	1 S.A.E.
Star .....	9/16	1118	1	5/8 S.A.E. Deep
	11/16	1122	1	
Studebaker Lt. 6..	1/2	1116	2	7/8 S.A.E.
Studebaker Spec... and Big 6.....	1/2	1116	1	1 S.A.E.
	17/32	1117	1	1 S.A.E.
	11/16	1122	1	
Stutz .....	9/16	1118	2	1 S.A.E.
Velle .....	1/2	1116	1	7/8 S.A.E. 1922 1 S.A.E. 1923
Winton .....	11/16	1122	2	
Westcott .....	5/8	1120	2	



# INDEX

	Page
Assembly Punch .....	26
Bar, Lining Up .....	37
Bar, Wrecking .....	37
Bearing Scrapers .....	38
Box Wrenches .....	18, 19, 21, 22, 30
Brake Wrenches .....	33
Buick Cage Lifter .....	34
Buick Cage Nut Drive .....	37
Buick Cylinder Head Wrenches .....	32, 34
Buick Rocker Arm Lifter .....	34
Bushing Extractor .....	27
Bushing Punch .....	32
Cage Lifter, Buick .....	34
Cage Nut Drive, Buick .....	37
Carbon Cleaners .....	26
Carburetor Wrench, Ford .....	26
Center Punch .....	37
Chevrolet Connecting Rod Wrench .....	30
Chevrolet Main Bearing Wrench .....	30
Chisels .....	39, 40
Clutch Wrench .....	32
Cone Drive .....	32
Connecting Rod Wrenches .....	19, 20, 23, 27, 30
Cotter Key Puller .....	34
Cylinder Head Wrenches .....	21, 31, 32, 34
Deep Socket Wrenches .....	21
Disc Drum Puller .....	38
Dodge Generator Wrench .....	20
Dodge Tappet Wrenches .....	43
Double Socket Wrenches .....	22, 23, 25, 27, 28, 29, 32
Double Offset Wrenches .....	23, 29, 30
Electrician Wrenches .....	35
Essex Cylinder Head Wrench .....	31
Extractor, Bushing .....	27
Extra Long Slim Taper Punches .....	36
Flex Sets .....	11
Ford—Assembly Punch .....	26
Bushing Punch .....	32
Carburetor Wrench .....	26
Connecting Rod Wrench .....	23, 27
Cone Drive .....	32
Cylinder Head Wrench .....	21
Differential Bolt Wrench .....	25
Disc Drum Puller .....	38
Disc Drum Set Screw Wrench .....	43
Fly Wheel Cap Screw Wrench .....	24, 25, 32
Generator Wrench .....	24, 26
Generator Third Brush Wrench .....	26
Main Bearing Wrenches .....	21, 22, 23, 24
Rear Perch Nut Wrench .....	26
Ring Groove Cleaner .....	26
Spindle Body Bolt Wrench .....	25
Transmission Case Wrench .....	4
Universal Pin Punch .....	37
Generator Wrench, Dodge .....	20
Generator Wrench, Ford .....	24, 26
Generator Third Brush Wrench, Ford .....	26
General Purpose Screw Driver .....	39

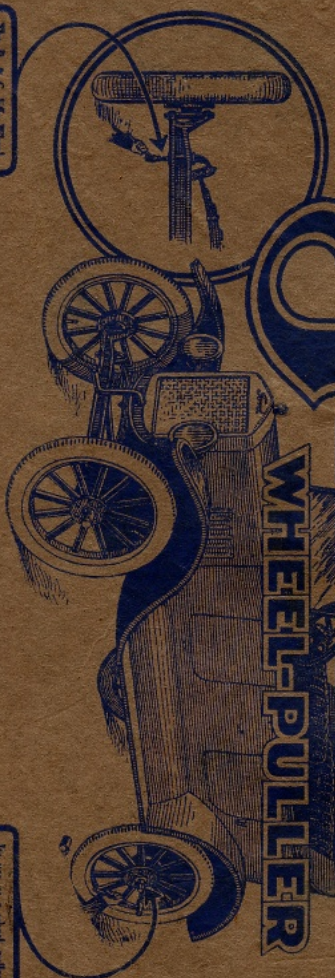
	Page
Hammer Head Wrench.....	27
Heavy Duty Screwdriver.....	39
Heavy Duty Tractor & Truck Sets.....	13, 14
Hex-On Socket Sets.....	10
Hudson Tappet Wrenches.....	33
Lining Up Bar.....	37
"L" Type Double Socket Wrenches.....	28, 32
"L" Wrenches, Short Bend.....	5
"L" Wrenches, Long Bend.....	7
"L" Wrenches, Heavy Duty.....	6
Main Bearing Wrench.....	21, 22, 23, 24, 30, 32
Motorcycle Wrenches.....	35
Oakland Cylinder Head Wrench.....	34
Offset Wrenches, Short Bend.....	5
Offset Wrenches, Long Bend.....	7
Offset Wrenches, Heavy Duty.....	6
Offset Double Wrenches.....	23, 29, 30
Offset Screwdriver.....	38
Oldsmobile Cylinder Head Wrench.....	34
"One Man" Offset Box Socket.....	4
Open End Wrenches.....	33
Perch Nut Wrench, Ford.....	26
P. & C. Socket Sets.....	8
Pin Wrenches.....	29, 33
Punches.....	26, 36, 37, 40
Reo Wrenches.....	19, 20
Replacement Sockets.....	41
Ring Groove Cleaner.....	26
Rivet Shear.....	41
Rocker Arm Lifter, Buick.....	34
Scrapers, Bearing.....	38
Screw Drivers.....	38, 39
Shallow Box Wrenches.....	18, 19
Short Bend Offset Socket Wrenches.....	5
Short Bend Offset Socket Wrenches—Heavy Duty...	6
Slim Taper Punches.....	36
Sockets.....	41, 42
Socket Sets.....	8, 9, 10, 11, 13, 14
Socket Wrenches, Deep Box.....	21
Socket Wrenches, Shallow Box.....	18, 19
Socket Size Table.....	3
Speed Wrenches.....	16, 17, 25
Speed Universal Wrenches.....	16
Speed Wrench Sockets.....	41
Spindle Body Bolt Wrench.....	25
Studebaker Clutch Wrench.....	32
Tappet Wrenches.....	33, 43
Tappet Size Table.....	45, 46
Timing Chain Wrench.....	32
Truck & Tractor Sets.....	13, 14
"T" Wrenches.....	15
"T" Wrenches, Universal.....	16
Twelve Point Wrenches.....	19, 20
Universal "T" Wrenches.....	16
Universal Speed Wrenches.....	16
Universal Combinations.....	12
Valve Tappet Tool.....	33
Water Pump Wrenches.....	43
Wheel Starters.....	44
Wheel Starter Size Table.....	45, 46
Wrecking Bar.....	37
Wrist Pin Wrenches.....	35

392	1-55	2
392 1/2	1-45	112
393	1-35	1,08
394	1-25	104
395	1-15	100
396	1-10	12
397	1-10	8
398	1-10	6
399	1-01	4

P & C

J

IFFY  
WHEEL-PULLER



The P. & C. Jiffy Wheel-Puller may be used to remove a twisted spring from a vehicle with very little effort.

In use as a wheel puller it is instantaneous. It may be used as a draw to repair bent rods.

“See Page 44”